

Application Number: 10/084,786

**Remarks / Amendments
March 10, 2005**

The application was revised and the following sections were added / replaced in the Continuance of Application document dated January 27, 2003 and replicated in the Amendment documentation dated February 24, 2004. Changes made to the February 24, 2004 documents are noted below. Pages were renumbered to accommodate deleted/ added material.

	<u>Page Number</u>		<u>Action</u>
	<u>New</u>	<u>Old</u>	
Contents			Replaced
Abstract	Page 1	Page 1	Replaced
Title of invention	Page 2	Page 2	Replaced
Specifications.....	Page 2	Page 2	Replaced
Cross Reference to Related Applications.....			Deleted
Statement Regarding Federally Sponsored Research or Development.....	Page 3	Page 5	Replaced
Reference to sequence Listing, a Table, or Computer Program Listing Compact Disk Appendix.....	Page 4	Page 6	Replaced
Field of Invention.....	Page 5	Page 7	Replaced
Background of Invention.....	Page 6	Page 7	Replaced
Summary of the Invention.....	Page 7	Page 8	Replaced
Description of Drawings	Page 8	Page 9	Replaced
Figure 1A.....	Page 9	Page 10	Replaced
Figure 2A.....	Page 10	Page 11	Replaced
Detailed Description of the Invention.....	Page 11	Page 12	Replaced
Claims.....	Page 12	Page 13	Replaced

The specifications listed on one page (not numbered) in the Original Application dated June 14, 2002 were replaced in the Continuance of Application document dated January 27, 2003 because they included information not relevant to the specifications and also they were not on a numbered sheet. The information is correctly stated in the Continuation of Application dated January 27, 2003 and the Amendment documentation dated February 24, 2004.

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The claim that was listed on one page (not numbered) in the Original Application dated June 14, 2002, was replaced in the Continuance of Application dated January 27, 2003 because it did not sufficiently convey the claims of the invention and also because the page included a signature of the applicant which was not according to regulations. The information is correctly stated in the Continuation of Application dated January 27, 2003 and the Amendment documentation dated February 24, 2004

A paragraph was added to the Summary of Invention (page 8). The paragraph identifies another benefit of the invention. This paragraph (third for the top) is new.

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**Version with markings to show changes
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Specifications Page 2:

The following provides the original specification information and the changes made to them to arrive at the current specification listing that is shown in the Continuation of Application dated January 27, 2003 and the Amendment documentation dated February 24, 2004.

The invention consist of four (4) pieces of metal fabricated to 90 degree corners and is used in conjunction with ~~standard bar clamps~~ beam clamp assemblies. ~~The manner in which they would be used is shown in drawings 1 and 2 (Figures 1A and 2A) which are attached to this application.~~ Describing the bar Clamp Corner Squaring Devices in detail are attached.

The metal fixtures are made from 1/8" band iron and are welded in the corners and at the base.

The fixtures are 1 1/4" high and each side is 3 1/2" long.

The four (4) corner pieces were designed to be used to hold picture frames in place and in square to allow them to be glued. Cardboard or paper can be placed over the fixtures to prevent excess glue from getting on the fixtures.

~~Drawing 1 shows the fixtures separately and on one bar clamp.~~

~~Drawing 2 shows all four fixtures in place and how they would be clamped with four bar clamps.~~

~~Holes would be drilled in the fixtures to allow for them to be permanently attached to two bar clamps. This would be optional and would not be required for the fixtures to work properly~~

Summary of Invention (Page 8)

A new paragraph was added to further show that the invention is has merits over current devices that attempt to hold frames in square. The paragraph that was added is shown below and appears as the third paragraph on page 8 – Summary of Invention.

The adaptors will draw the corners of a frame together and maintain them level which current devices are not capable of doing because they are attached to the jaws on the beam clamping devices which are inherently loose and do not provide a support on the base like the Bar Clamp Corner Squaring Fixture.

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Brief Description of Drawings (Page 9):

Figure 1A: Shows the adaptor separately and on one beam clamp assembly. Provided dimensional information for the adaptors.

The following items are shown on the Drawing

Part #1 - Bar Clamp Top Piece used to adjust pressure and hold the Bar Clamp Corner Squaring fixtures in place.

Part #2 - Bar Clamp Corner Squaring fixtures

Part #3 - Bar for bar clamp

Part #4 - End Clamp for Bar Clamp Fixture

Figure A – Front Profile of the Bar Clamp Corner Squaring fixture.

Figure B – Top Profile of the Bar Clamp Corner Squaring fixture.

Figure C – Angle Profile of the Bar Clamp Corner Squaring Fixture.

Figure 2A: Shows all four adaptors in place and how they would be clamped with four beam clamp assemblies. Detail information on all parts is presented in the Detailed Description of the Invention - page 12.

Drawing 2A (Page 11)

The beam clamping devices that were shown on the bottom in the drawing have been moved to the top. A sample frame has been inserted in the drawing. Parts have been re-numbered for clarity.

Detailed Description of Invention (Page 12):

Reference numbers have been added for clarity in the following items.

- 1) Place two beam clamping devices on a flat surface. The beam clamping device consist of a two linear beams (Parts 19 and 20) and two clamping devices (Parts 1 & 2) and two opposing jaws (Parts 13 and 14)
- 2) Set Bar Clamp Corner Squaring devices into the jaws of two beam clamping devices. (Parts 3, 4, 5, 6)
- 3) Insert the frame members that they wish to assemble. ~~(Parts-not-shown)~~ (Parts 7, 8, 9, & 10)
- 4) Apply glue to the ends of the frame members (Parts 7, 8, 9, & 10)
- 5) Adjust the beam clamping jaws (Parts 1 & 2) to apply pressure on the assembled frame members.
- 6) Place two additional beam clamping devices perpendicular to the initial ones and adjust by clamping to the beams of the first two devices. The beam clamping device consist of a two linear beams (Parts 17 and 18) and two clamping devices (Parts 11 and 12) and two opposing jaws (Parts 15 and 16)
- 7) Tighten beam clamping devices to ensure that assembled frame is in square.
- 8) Wait a sufficient time period to allow the glue to dry
- 9) Remove beam clamping devices and the Bar Clamp Corner Squaring devices.

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Claims (Page 13):

The **Original Claim** is shown how it was originally stated. It has been cancelled and completely revised to the **Current Claims Listing** also shown below. The changes made to the Original Claim are shown below and the new Claims Listing was included in the Continuation of Application dated January 27, 2003 and is included in the Amendment documentation dated February 24, 2004. The adding of claims merely provides a more detailed and clear statement of how the Bar Calm Corner Squaring fixture is used and does not materially change what was in the original submission.

Original Claim

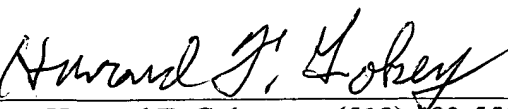
~~I claim that the Bar Clamp Corner Squaring Fixture can be used to clamp picture frames in a completely square position while the glue that is used to attach them together dries.~~

Current Claims

What is claimed is:

- 1) A clamping system comprising of:
 - a first beam clamp including a beam and a pair of opposing jaws;
 - a second beam clamp including a beam and pair of opposing jaws;
 - a set of four unattached adaptors designed to nest into the first and second beam opposing jaws;
 - a third beam clamp including a beam and a pair of opposing jaws;
 - a fourth beam clamp including a beam and a pair of opposing jaws.
- 2) The four adaptors of clamping system of Claim 1 provide a squaring fixture when used with the four beam clamping devices.
- 3) The four adaptors of clamping system of Claim 1 are not required to be attached to the opposing jaws to perform their squaring function.
- 4) The four adaptors are adjustable by moving the opposing jaws of the clamping system of Claim 1
- 5) The third and forth beam clamps in Claim 1 positioned perpendicular to the first and second beams in Claim 1 align the work piece into square.

Respectfully Submitted,

By 
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